

Notice of Allowability

Application No.

10/521,589

Examiner

Wasseem H. Hamdan

Applicant(s)

FEHREN ET AL.

Art Unit

2854

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/18/2005.
2. ☒ The allowed claim(s) is/are 39-76.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 01/18/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


Daniel J. Collila
Primary Examiner
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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Douglas R. Hanscom (Registration No. 26,600) on 06/02/2006.

The application has been amended as follows:

- a. Claim 39, line 9, -- of said at least one raised area -- has been inserted after "direction".
- b. Claim 41, line 2, -- of said vibration -- had been inserted after "amplitude".
- c. Claim 42, line 2:
 - i. "portion", has been replaced with -- relative position -- ; and
 - ii. -- of said vibration -- had been inserted after "amplitude".
- d. Claim 47:
 - iii. line 5, the "and" has been deleted;

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- iv. -- means for providing a value defining one of a status of a printing press utilizing said at least two rotating components and said vibration; and -- has been inserted after line 5;
 - v. line 7, -- at least one -- , has been inserted before “raised”; and
 - vi. line 8, -- ; as a function of a value that defines the printing press status or vibration -- , has been inserted after ”component”.
- e. Claim 66:
- vii. line 1, -- of at least two rotating components which roll off on each other - - ; has been inserted after “component”;
 - viii. line 4, the “and” has been deleted;
 - ix. -- means for providing a value defining one of a status of a printing press utilizing said at least two rotating components and said vibration; and -- has been inserted after line 4;
 - x. line 7, -- ; as a function of a value that defines the printing press status or vibration -- has been inserted after ”component”; and
 - xi. Line 7, the “-” (hyphen) between “vibration” and “damped” has been deleted.
- f. Abstract: line 1, -- and a device -- has been inserted after “method” .

Examiner’s Statement Of Reason For Allowance

2. The following is an examiner’s statement of reasons for allowance:

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Claims 39-76 are allowed.

Regarding claim 39, the prior art of record does not teach all the combined steps for a method for reducing vibrations of at least two rotating components rolling off against each other, including changing one of a height in a radial direction of said at least one raised area, and a relative position in a circumferential direction of said at least one raised area as a function of said value.

Regarding claim 47, the prior art of record does not teach all the combined elements and/or components for a device for reducing vibrations of at least two rotating components which roll off on each other, including means for changing at least one of a height of said raised area in a radial direction and a relative position of said at least one raised area in a circumferential direction of said at least one rotating component as a function of a value that defines the printing press status or vibration.

Regarding claim 66, the prior art of record does not teach all the combined elements and/or components for a device for a rotating vibration damped component of at least two rotating components which roll off on each other, including means for varying at least one of a height of said raised area in a radial direction and a relative position of said raised area in a circumferential direction of said rotating, vibration damped component as a function of a value that defines the printing press status or vibration.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art of record does not teach all the combined elements, components and steps as discussed above in the "examiner's statement of reasons for allowance".

Prior art: Glöckner et al. (US Patent 6,938,515 B2): Glöckner et al. discloses a device for reducing rotationally induced bending vibrations, the device includes a rotating cylinder having a cylinder barrel with a barrel length; an axis of rotation of said rotating cylinder, and extending in a direction of the barrel length, said cylinder being rotatable about the cylinder axis of rotation; a circumferential surface area of said rotating cylinder barrel; a plurality of actuators arranged in the rotating cylinder beneath the circumferential surface of the cylinder barrel and offset within said rotating cylinder from said axis of rotation, the plurality of actuators each having an actuator length in a direction of the axis of rotation of the rotating cylinder, the barrel length being substantially greater than said actuator length; and means for varying the actuator length of each of the plurality of actuators during rotation of the rotating cylinder as a function of a rotation position of each of the plurality of actuators in the rotating cylinder, the actuator length of each of the plurality of actuators being increased and decreased during each rotation of the rotating cylinder.

Stöckl et al. (US Patent 4,738,200) discloses reducing the bending dynamics of the rubber blanket cylinder upon roll-off of clamping grooves against a counter cylinder, and more particularly against a similar rubber blanket cylinder, in order to reduce or entirely eliminate striping on the printed product, or, at least effectively reduce the intensity thereof. Stöckl et al.

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discloses a blanket cylinder is formed with a transition zone adjacent the clamping groove which rises progressively radially outwardly in accordance with a non-circular mathematical function, beginning at a tangential line at which the circumference of the cylinder departs from circular shape; the extent of rise above a theoretical circle coincident with the major portion of the circumference of the cylinder is matched to the width of the clamping groove such that the blankets, and hence the blanket cylinders of two engaged blanket cylinders, with blankets thereon, at the operating speed of the machine, will lose contact at most for a period of time which is substantially less than the time required by the cylinder to rotate the distance over an angle which spans the distance of the width of the clamping groove, so that rubber blanket line contact, at the operating speed of the machine, between engaged blankets will be interrupted for a very short period of time, or not at all.

4. The following is an examiner's statement of reasons for allowance: TBD.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wasseem H. Hamdan whose telephone number is (571) 272-2166. The examiner can normally be reached on M-F (first Friday off) 6:30 AM- 4:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H. Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Wasseem H. Hamdan

June 2, 2006